

19. Describe the fundamentals of XML documents in detail.
20. Write the PHP program to create a User registration and Login system and explain the code.

NOVEMBER/DECEMBER 2025

23PCA32 — WEB TECHNOLOGIES

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define the terms Web browsers and Web servers.
2. What is Hypertext link?
3. What is the difference between <p> and <div> elements?
4. How can you set the Background color of a Webpage?
5. Name two Primitive data types in JavaScript.
6. How do you create an Object in JavaScript?
7. What is the role of XSLT in XML processing?
8. What is DTD?

9. Name two built-in AngularJS services.
10. What is the difference between “echo” and “print” in PHP?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) How can you embed an image into an HTML page? Explain the attributes used.

Or

- (b) Describe the different types of Lists available in HTML and provide examples.

12. (a) How can you create a Table in XHTML, including table headers, rows, and data cells? Discuss.

Or

- (b) Describe the different ways to apply Styles to HTML elements using CSS.

13. (a) Write a JavaScript function to sort an Array of numbers in Ascending order and Discuss.

Or

- (b) Explain Regular expressions in Javascript and how they are used for pattern matching?

14. (a) Discuss on Positioning Elements and Moving Elements in JavaScript.

Or

- (b) Describe the steps involved in creating a Drag-and-drop interface using JavaScript.

15. (a) Write a PHP script to validate a Form submission, ensuring that all required fields are filled out and explain the code.

Or

- (b) Describe about Angular JavaScript features.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss on different types of HTML elements in detail.
17. How can you create a Navigation menu using XHTML and CSS? Explain with example.
18. Write a JavaScript program to create a simple Calculator that performs basic arithmetic operations and discuss on the code.

